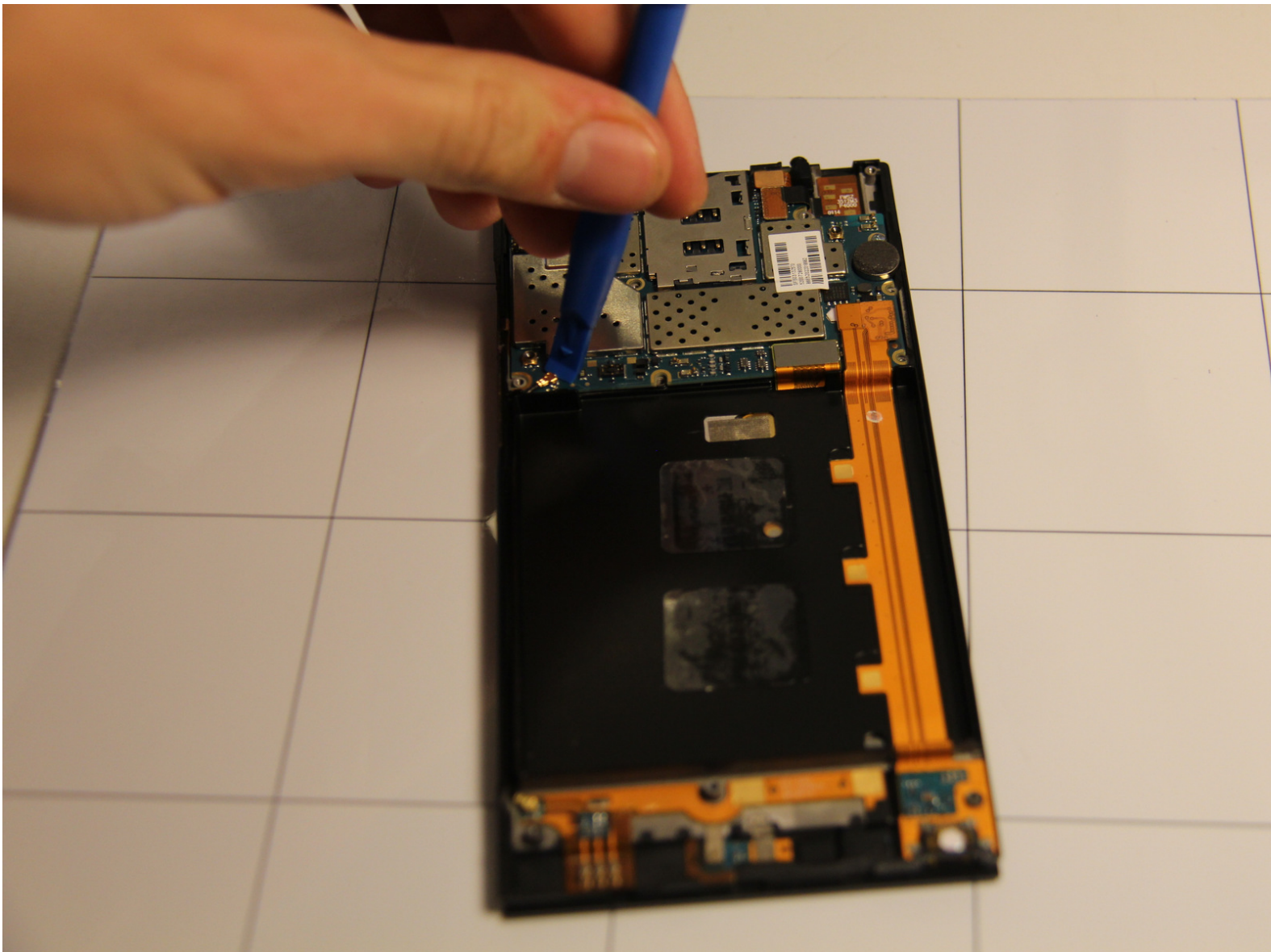




Xiaomi Mi 3 Motherboard Replacement

This guide will help you remove your motherboard from your Xiaomi Mi 3.

Written By: Tyler Howard





TOOLS:

- [iFixit Opening Picks set of 6](#) (1)
 - [iFixit Opening Tools](#) (1)
 - [SIM Card removal tool](#) (1)
 - [Tweezers](#) (1)
-

Step 1 — Battery



- Insert the sim card removal tool into the hole located at the top of the phone. Press the tool firmly into the phone to get the sim card tray to eject from the slot.

Step 2



- Remove the two Phillips head screws located on the top of the phone.
 - One is hidden under an orange sticker, removal of this sticker will void your warranty, this sticker can be removed using a set of tweezers.

Step 3




- Removal of the orange sticker reveals a hidden screw that needs to be removed.

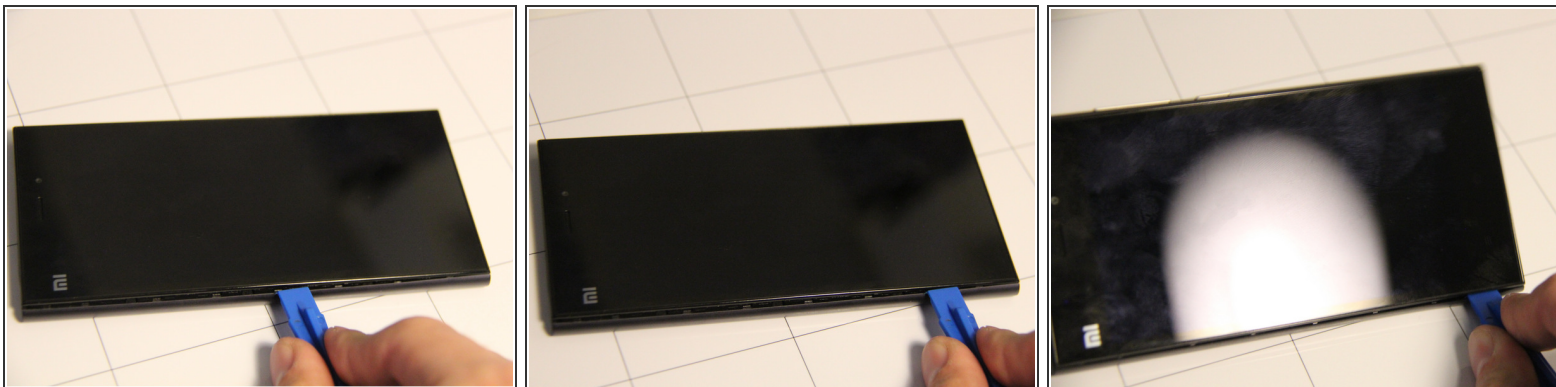
Step 4



- We now want to insert a pry tool into the upper portion of the phone, where there is a small gap between screen and frame of the phone.

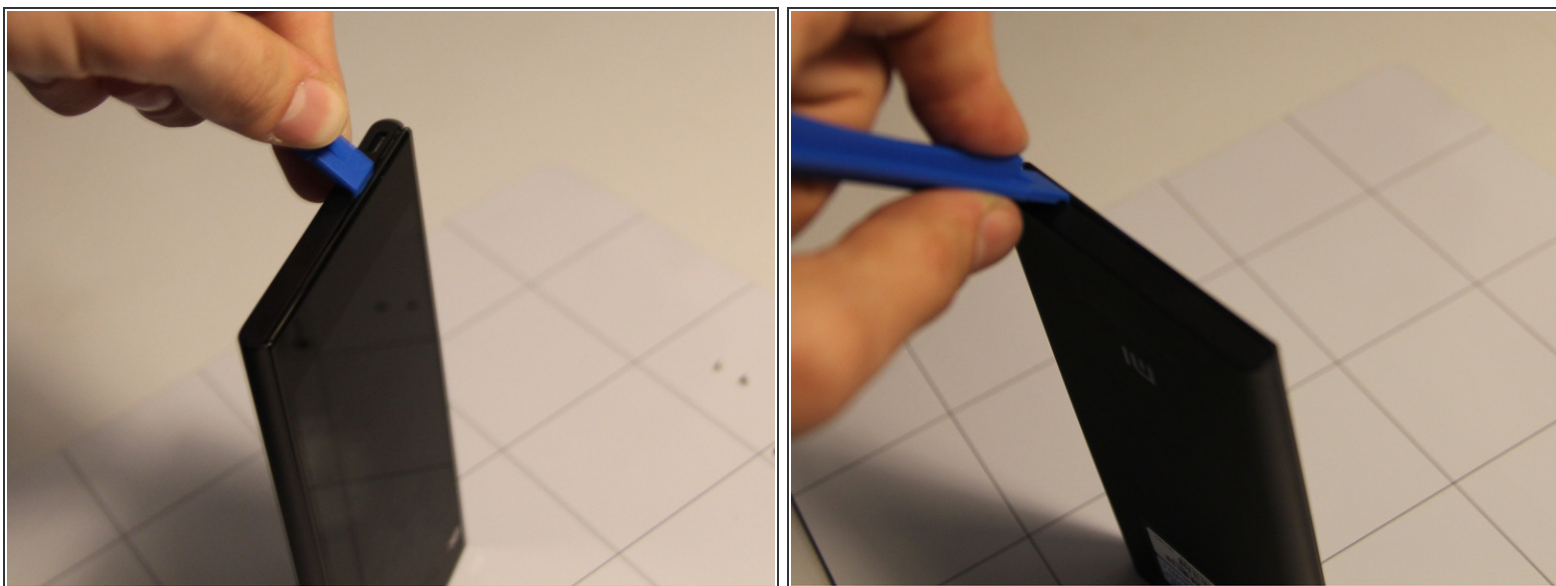
 Be careful when working the pry tool on the phone as it can result in damage to the phone's screen or other components.

Step 5



- Once a pry tool has been inserted into the phone, work it around the entire perimeter of the phone until the screen of the phone separates from the frame.

Step 6



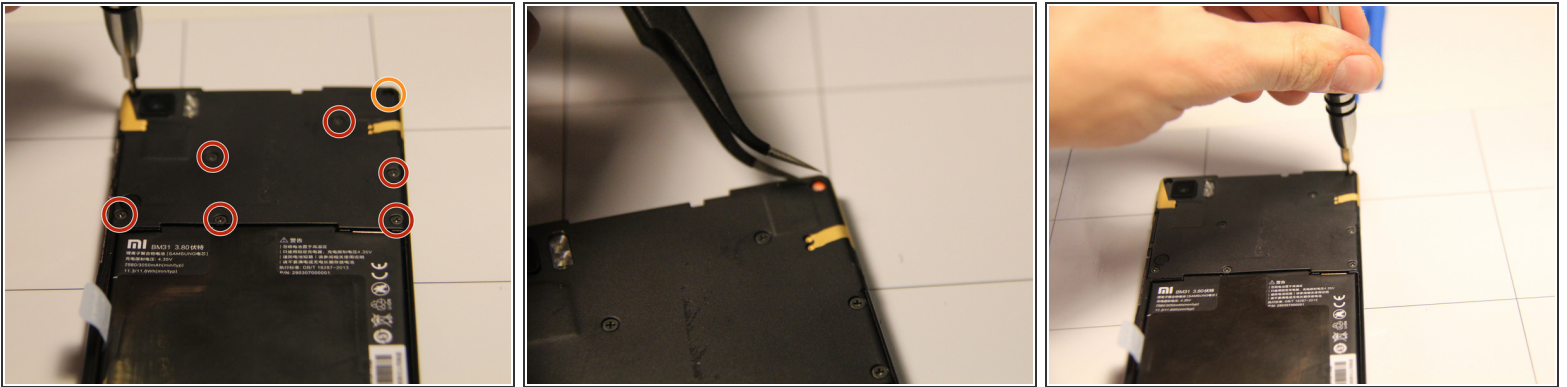
- Once a pry tool has been inserted into the phone, work it around the entire perimeter of the phone until the screen of the phone separates from the frame.

Step 7



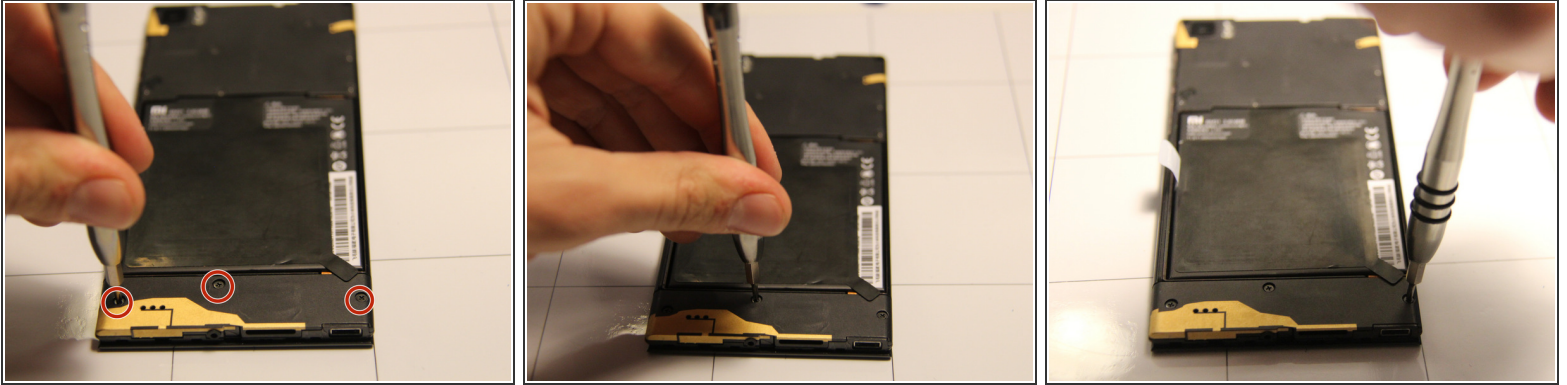
- The phone should now be separate from the exterior frame portion of the phone.

Step 8



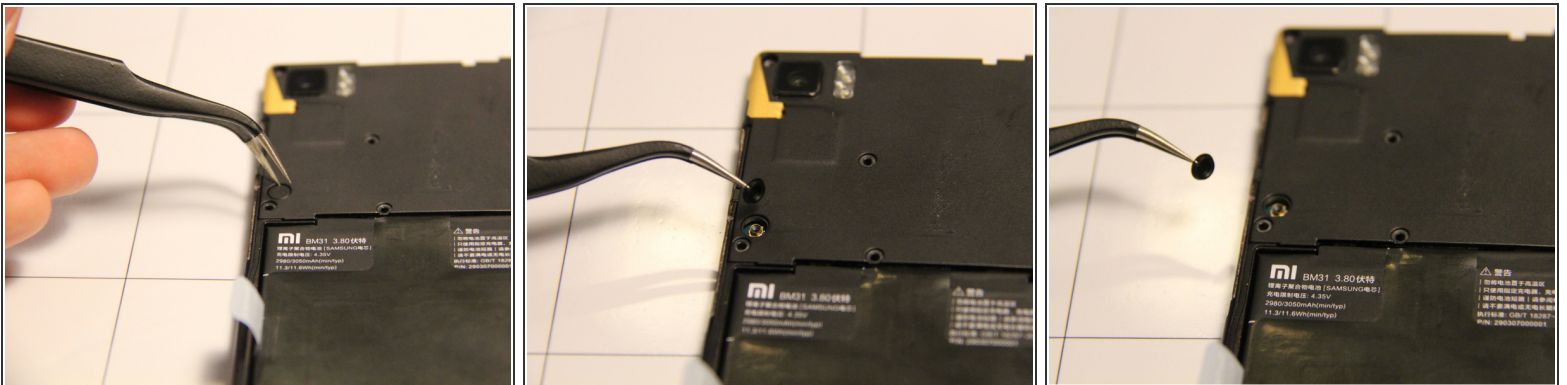
- Place the phone screen side down with the camera located at the top.
- Remove the 7 Phillips head screws, located on the upper portion of the phone.
 - One of these screws is hidden under an orange sticker at the top right corner of the phone, removal of this sticker can be removed using a set of tweezers.

Step 9



- Remove the 3 screws located at the bottom of the back side of the phone.

Step 10



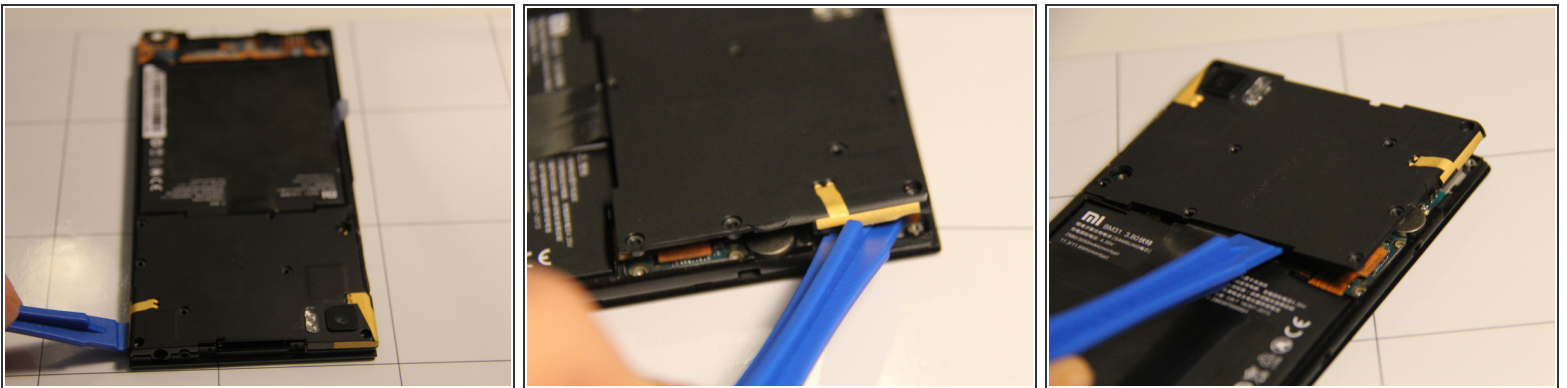
- Using tweezers, remove the rubber dust cover on the back panel of the phone.

Step 11



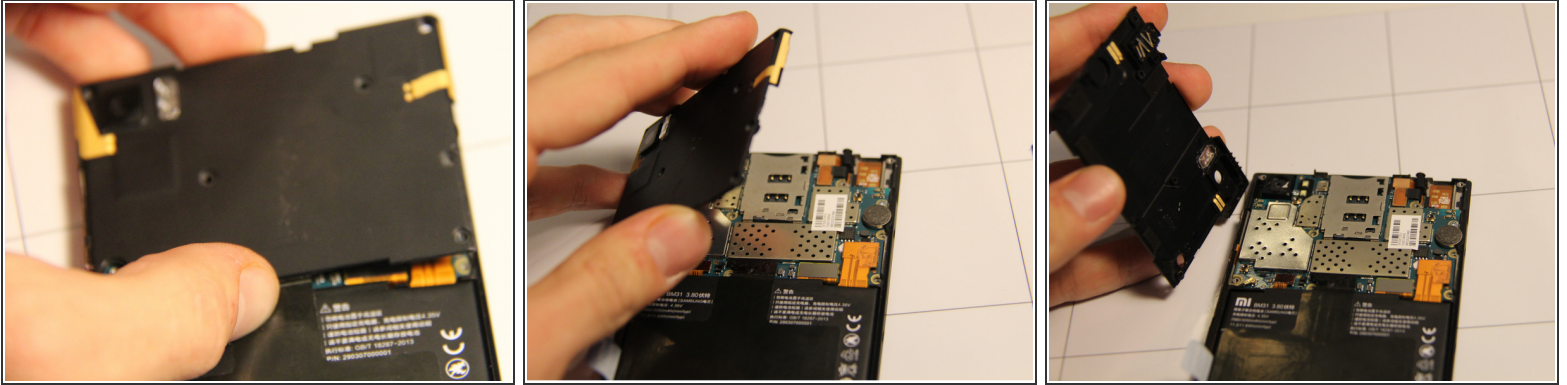
- Not necessary for this goal. Do this for your own fun, if you like. Insert a plastic opening tool into the **bottom** of the phone, then work it around the lower portion of the phone in order to remove it from the plastic cover.

Step 12



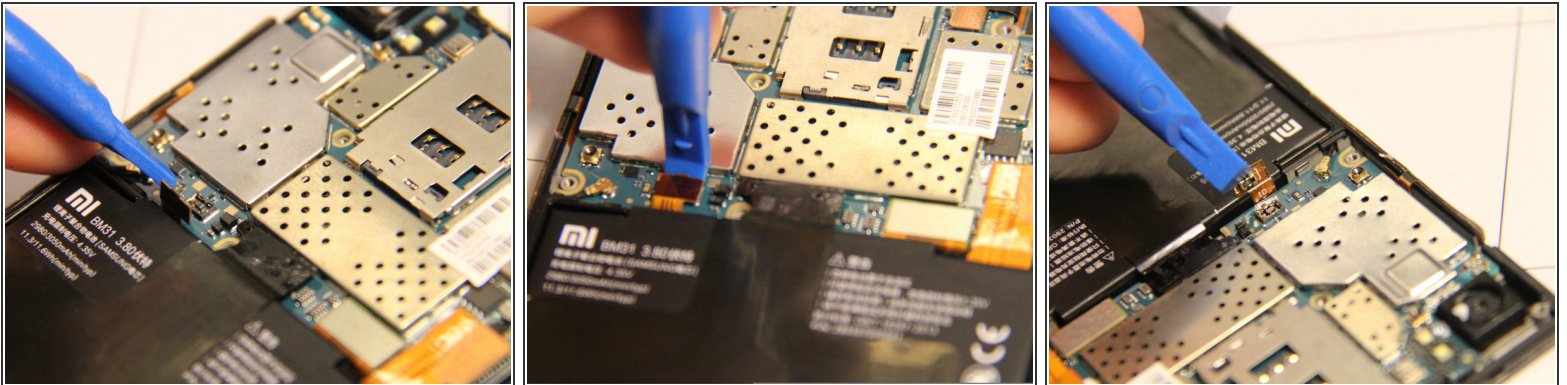
- Insert a plastic opening tool into one of the **top** corners of the phone, then work it around the exterior portion of the phone until the plastic cover can be easily removed from the phone.

Step 13



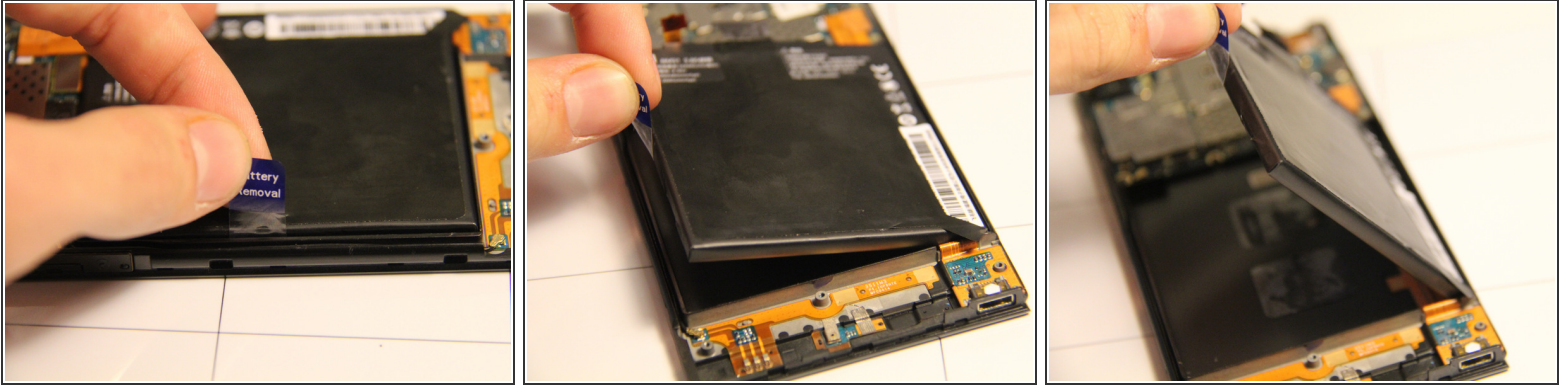
- After working the pry tool the top cover can be easily removed.
- Some models have their NFC antenna on the back of the battery glued to the top cover. It is not possible to remove the top cover without the battery. In that case, check the touchscreen guide.

Step 14



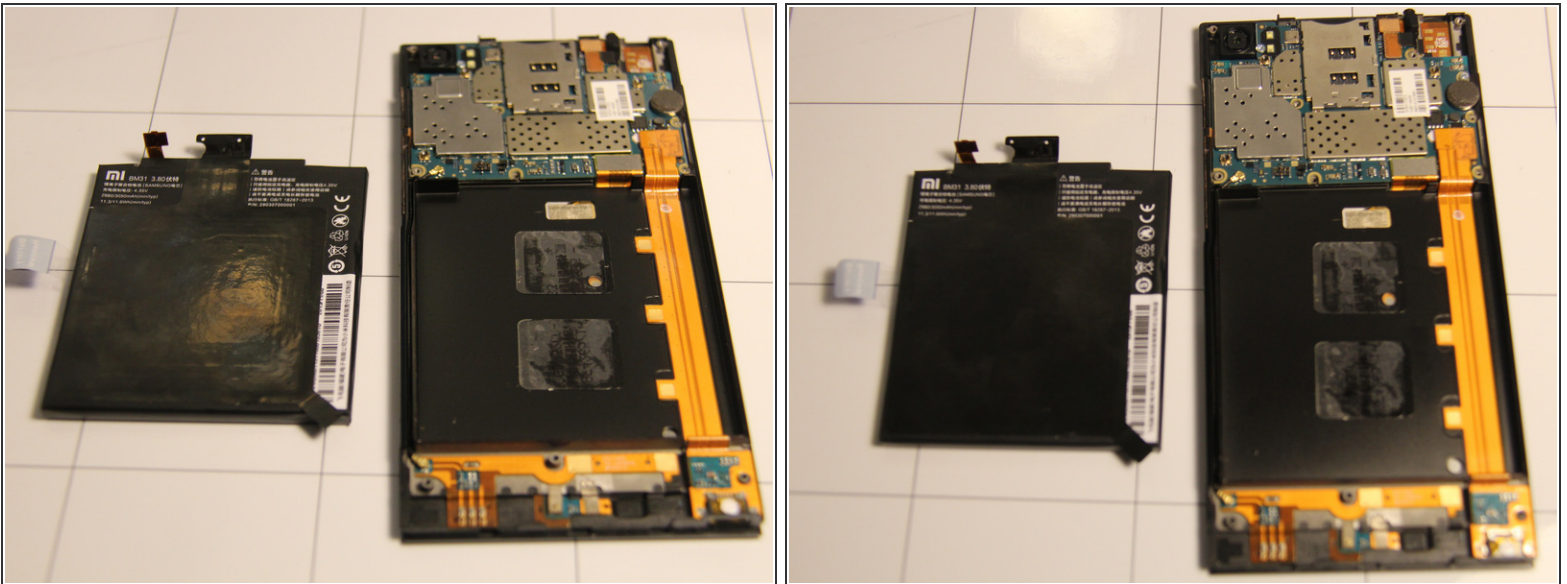
- Using a spudger, remove the small ribbon cable that is connected to the battery.

Step 15



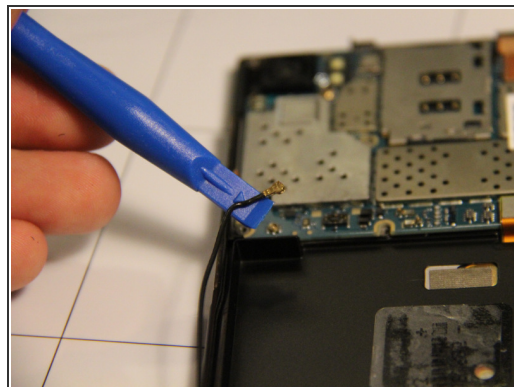
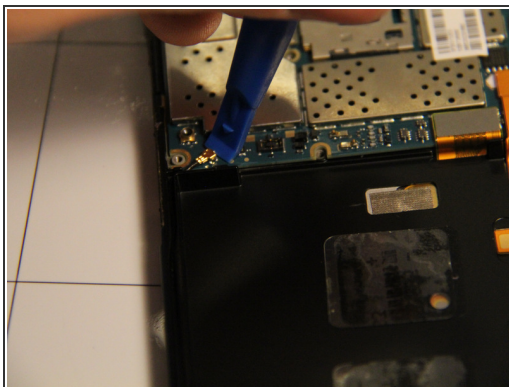
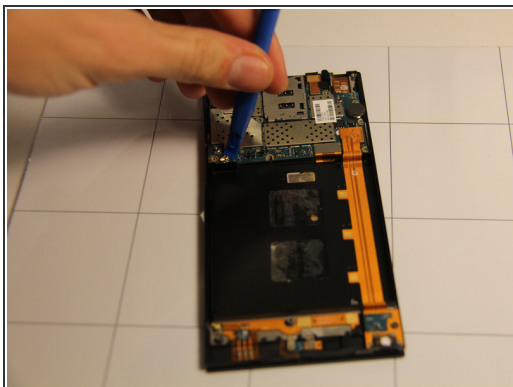
- Now grab a hold of the "Battery Removal" tab that is attached to the battery, located at the left side of the back portion of the phone. Lifting up on the tab should remove the battery out of the phone
- ⓘ It may take some force to remove the battery as it is also adhered to the phone with two pieces of double sided tape.

Step 16



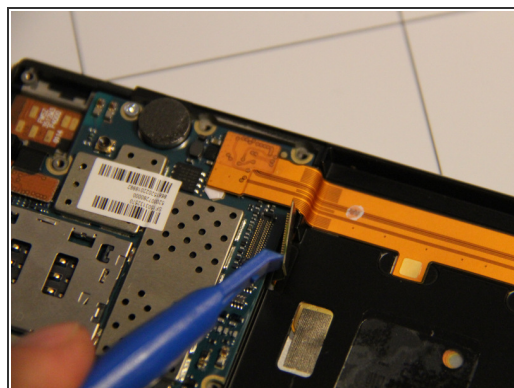
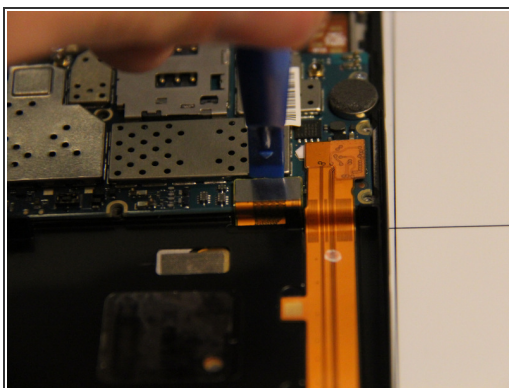
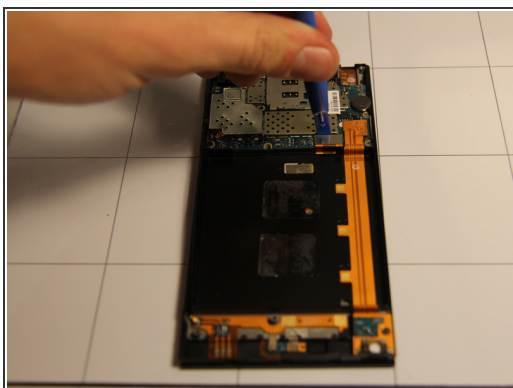
- The battery is now removed from the phone.

Step 17 — Motherboard



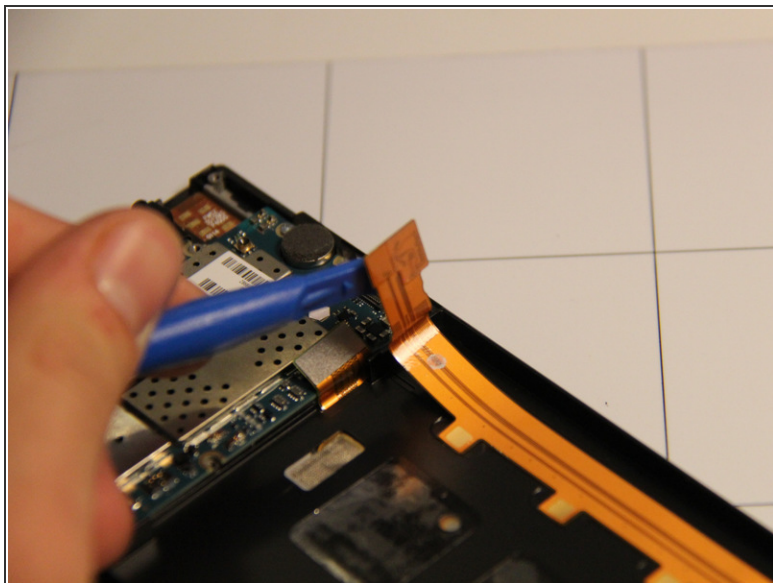
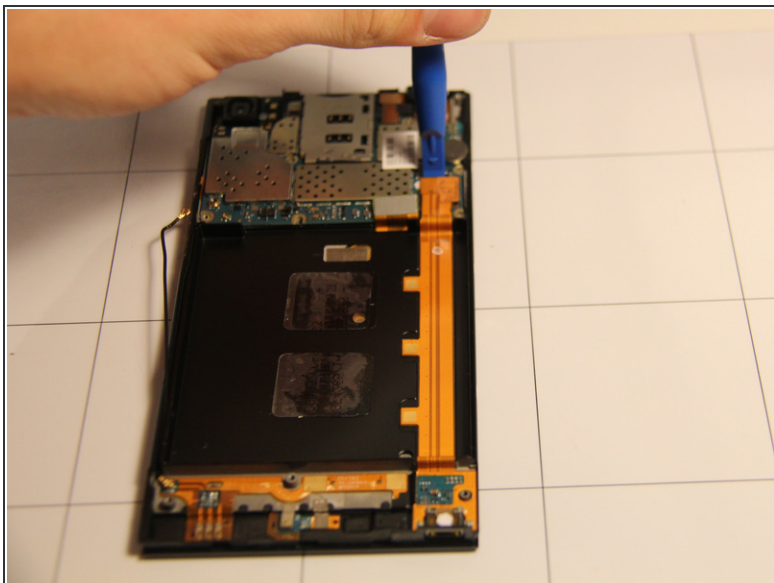
- Using a pry tool, disconnect the antenna wire that is connected to the lower left portion of the motherboard.

Step 18



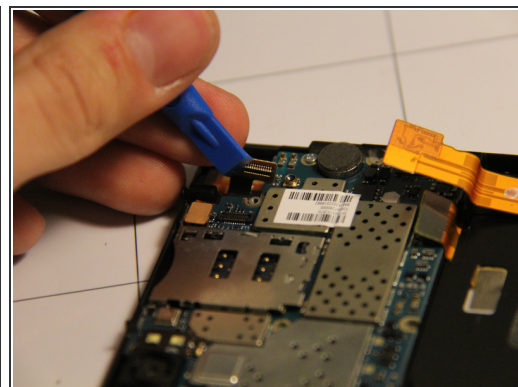
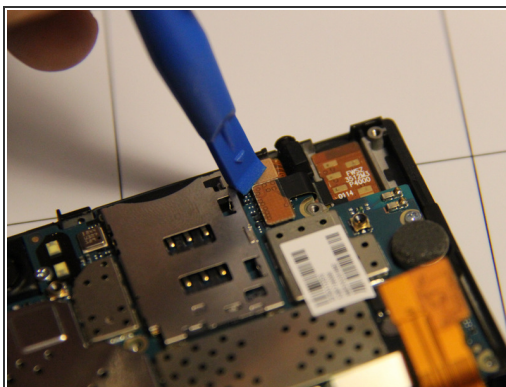
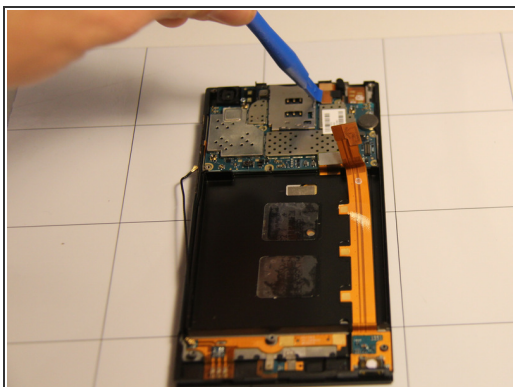
- Using a pry tool, disconnect the ribbon cable for the LCD display that is connected to the lower right part of the motherboard.

Step 19



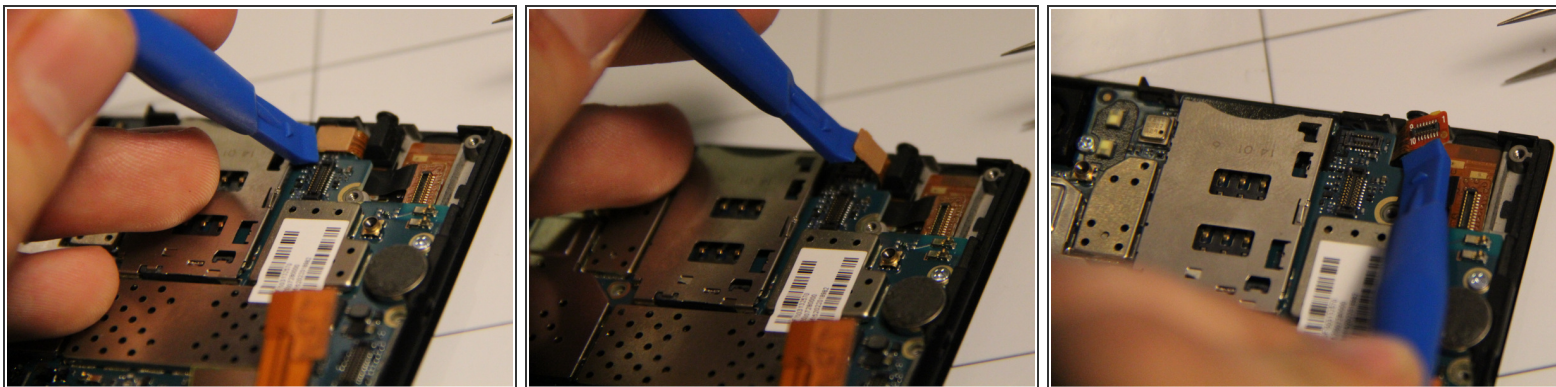
- Using a pry tool, disconnect the ribbon cable that is connected to the bottom right corner of the mother board.

Step 20



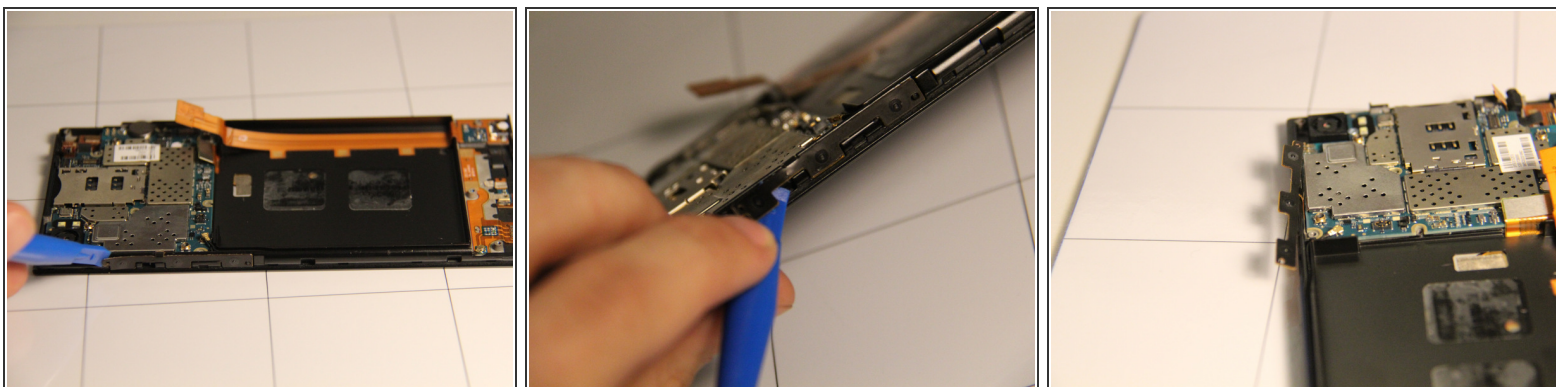
- Disconnect another cable ribbon that is connected at the top of the motherboard.

Step 21



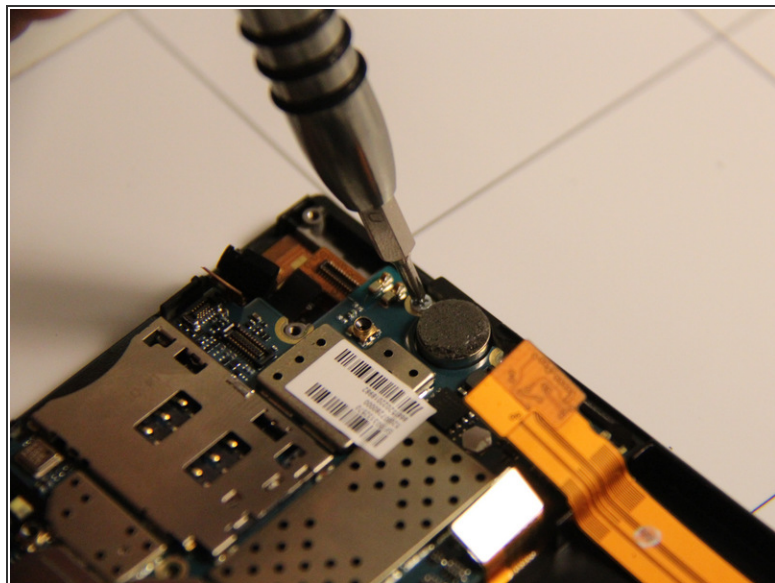
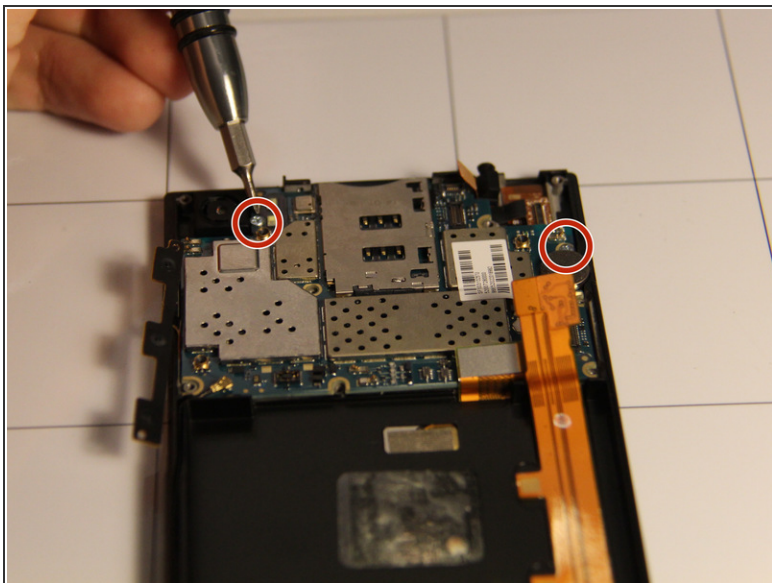
- Disconnect the other cable ribbon that is next to the the last one you removed.

Step 22



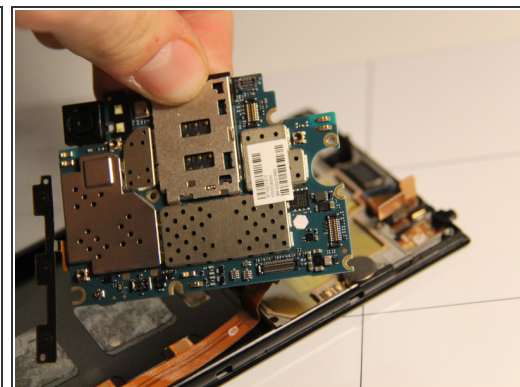
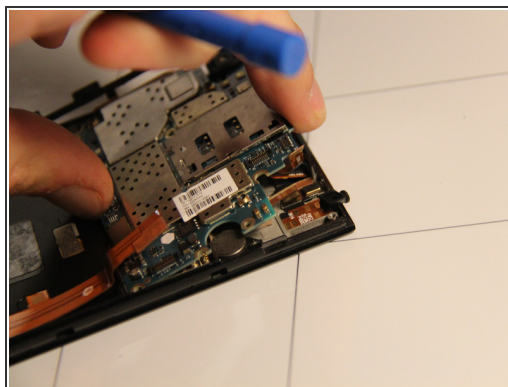
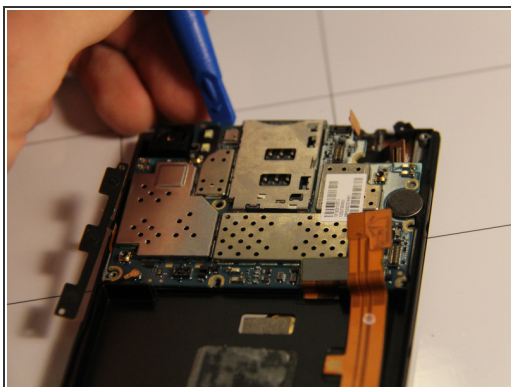
- Not needed step. You Can remove motherboard without removing this flex except if : you want to change this flex or change the touchscreen assembly. Using a pry tool, gently pry the side control buttons assembly away from the case.

Step 23



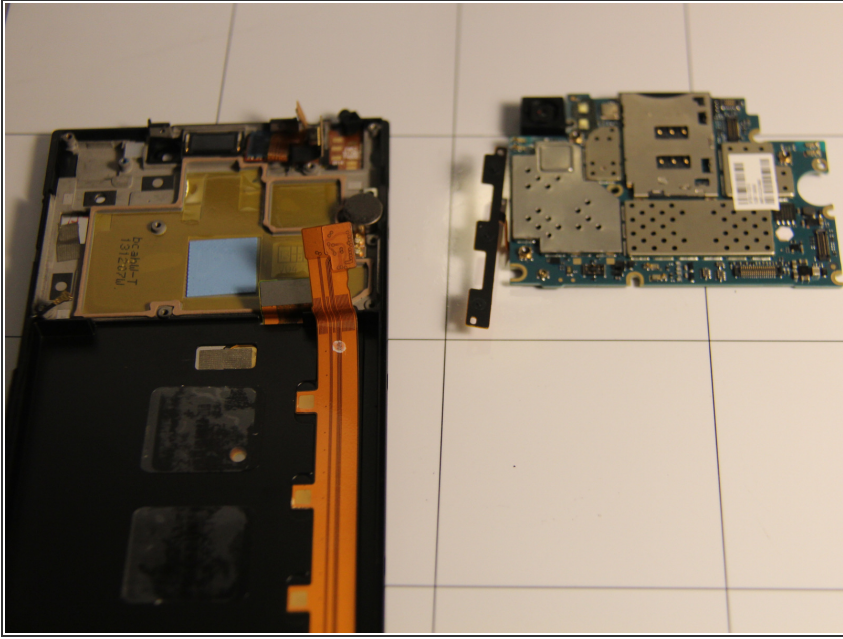
- Remove the two screws shown in the pictures. The first screw is located next to the rear facing camera, the second is located on the right side of the phone next to the vibration module.

Step 24



- Now use a small pry tool to gently pry the motherboard up. The motherboard can now be gently removed from the phone.

Step 25



- The motherboard has now been successfully removed.

To reassemble your device, follow these instructions in reverse order.

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